



1204.44657X00

94
B/IFW

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: SHIMODA, et al.
Serial No.: 10/521,470
Filed: January 18, 2005
Title: Multilayer Wiring Board, Manufacturing Method Thereof,
Semiconductor Device, and Wireless Electronic Device
Group: 2812

REQUEST FOR CORRECTED FILING RECEIPT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

January 26, 2007

Sir:

Enclosed is a copy of the Filing Receipt for the above-identified application which incorrectly states the tenth inventor's first name as Kazumori. It should read Kazunori.

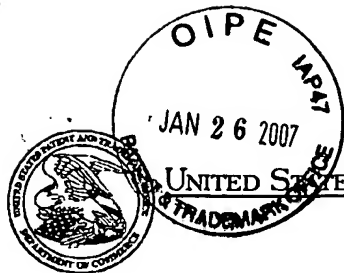
The correction is shown on the attached copy of the filing receipt. Issuance of a corrected filing receipt is respectfully requested. The changes are supported by the Declaration filed on January 8, 2005, copy attached herewith.

Respectfully submitted,

ANTONELLI, TERRY, STOUT & KRAUS, LLP

William I. Solomon
Registration No. 28,565

WIS/stv
Attachments



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
 United States Patent and Trademark Office
 Address: COMMISSIONER FOR PATENTS
 P.O. Box 1450
 Alexandria, Virginia 22313-1450
 www.uspto.gov

APPL NO.	FILING OR 371 (c) DATE	ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLMS	IND CLMS
10/521,470	01/18/2005	2812	13250	1204.44657X00	7	59	5

20457

ANTONELLI, TERRY, STOUT & KRAUS, LLP
 1300 NORTH SEVENTEENTH STREET
 SUITE 1800
 ARLINGTON, VA 22209-3873

CONFIRMATION NO. 2249

FILING RECEIPT



OC000000017562916

Date Mailed: 12/05/2005

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please mail to the Commissioner for Patents P.O. Box 1450 Alexandria Va 22313-1450. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

\ Yasushi Shimada, Tsukuba-shi, Ibaraki, JAPAN;
 \ Yoshitaka Hirata, Shimodate-shi, Ibaraki, JAPAN;
 \ Hiroyuki Kuriya, Shimodate-shi, Ibaraki, JAPAN;
 \ Kazuhisa Otsuka, Shimodate-shi, Ibaraki, JAPAN;
 \ Masanori Yamaguchi, Tsukuba-shi, Ibaraki, JAPAN;
 \ Yuichi Shimayama, Shimodate-shi, Ibaraki, JAPAN;
 \ Ken Madarame, Yuki-shi, Ibaraki, JAPAN;
 \ Etsuo Mizushima, Yuki-shi, Ibaraki, JAPAN;
 \ Yuusuke Kondou, Shimodate-shi, Ibaraki, JAPAN;
 \ Kazumori Yamamoto, Tsukuba-shi, Ibaraki, JAPAN;

Instead of Kazumori

Assignment For Published Patent Application

Hitachi Chemical Co., Ltd., Tokyo, JAPAN

Power of Attorney: The patent practitioners associated with Customer Number 20457.

Domestic Priority data as claimed by applicant

This application is a 371 of PCT/JP03/06860 05/30/2003

Foreign Applications

\ JAPAN 2002-209650 07/18/2002
 \ JAPAN 2002-209639 07/18/2002
 \ JAPAN 2002-259291 09/04/2002
 \ JAPAN 2002-259284 09/04/2002
 \ JAPAN 2002-324238 11/07/2002

Projected Publication Date: 03/09/2006

Non-Publication Request: No

Early Publication Request: No

Title

Multilayer wiring board, method for producing the same, semiconductor device and radio electronic device

Preliminary Class

438

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at <http://www.uspto.gov/web/offices/pac/doc/general/index.html>.

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, <http://www.stopfakes.gov>. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4158).

LICENSE FOR FOREIGN FILING UNDER
Title 35, United States Code, Section 184
Title 37, Code of Federal Regulations, 5.11 & 5.15

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Bureau of Industry and Security, Department of Commerce (15 CFR parts 730-774); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).

1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 26

Attorney's Docket No.:

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

As a below named inventor, I hereby declare that: my residence, post office address and country of citizenship are as stated below, next to my name; I believe I am the original, first, and sole inventor (if only one name is listed below) or an original, first, and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

**MULTILAYER WIRING BOARD, MANUFACTURING METHOD THEREOF,
SEMICONDUCTOR DEVICE, AND WIRELESS ELECTRONIC DEVICE**
the specification of which

is attached hereto.

X was filed on 30/05/2003 as
United States Application Number
or PCT International Application Number PCT/JP2003/006860
and was amended on November 3, 2003
(if applicable)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claim(s), as amended by any amendment referred to above. I acknowledge the duty to disclose all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119(a)-(d), of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

<u>Prior Foreign Application(s)</u>			<u>Priority Claimed</u>
<u>2002-209650</u> (Number)	<u>Japan</u> (Country)	<u>18/07/2002</u> (Day/Month/Year Filed)	<u>X</u> Yes No
<u>2002-209639</u> (Number)	<u>Japan</u> (Country)	<u>18/07/2002</u> (Day/Month/Year Filed)	<u>X</u> Yes No
<u>2002-259291</u> (Number)	<u>Japan</u> (Country)	<u>04/09/2002</u> (Day/Month/Year Filed)	<u>X</u> Yes No
<u>2002-259284</u> (Number)	<u>Japan</u> (Country)	<u>04/09/2002</u> (Day/Month/Year Filed)	<u>X</u> Yes No
<u>2002-324238</u> (Number)	<u>Japan</u> (Country)	<u>07/11/2002</u> (Day/Month/Year Filed)	<u>X</u> Yes No

I hereby claim the benefit under title 35, United States Code, Section 119(e) of any United States provisional application(s) listed below

<u>(Application Number)</u>	<u>Filing Date</u>
<u>(Application Number)</u>	<u>Filing Date</u>

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose all information known to me to be material to

patentability as defined in Title 37, Code of Federal Regulations, Section 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

(Application Number) Filing Date (Status -- patented,
pending, abandoned)

(Application Number) Filing Date (Status -- patented,
pending, abandoned)

I hereby appoint: Donald R. Antonelli, Reg. No. 20,296; Melvin Kraus, Reg. No. 22,466; William I. Solomon, Reg. No. 28,565; Gregory E. Montone, Reg. No. 28,141; Ronald J. Shore, Reg. No. 28,577; Donald E. Stout, Reg. No. 26,422; Alan E. Schiavelli, Reg. No. 32,087; James N. Dresser, Reg. No. 22,973; Carl I. Brundidge, Reg. No. 29,621; Paul J. Skwierawski, Reg. No. 32,173; and Robert M. Bauer, Reg. No. 34,487, my attorneys; of ANTONELLI, TERRY, STOUT & KRAUS, LLP with offices located at 1300 North Seventeenth Street, Suite 1800, Arlington, Virginia 22209, telephone: (703) 312-6600, fax: (703) 312-6666; with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith.

Send all correspondence to:

Customer Number 020457
ANTONELLI, TERRY, STOUT & KRAUS, LLP
1300 North Seventeenth Street
Suite 1800
Arlington, VA. 22209

Direct all telephone calls and faxes to:

TEL: (703) 312-6600
FAX: (703) 312-6666

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of Sole/First Inventor Yasushi SHIMADA

Inventor's Signature *Yasushi Shimada* Date January 11, 2005

Residence Tsukuba-shi, Ibaraki, Japan Citizenship Japanese
(City, State) (Country)

Post Office Address c/o HITACHI CHEMICAL CO., LTD., Research and Development Center,
1500, Oaza Ogawa, Shimodate-shi, Ibaraki 308-8521 Japan

Full Name of Second/Joint Inventor Yoshitaka HIRATA

Inventor's Signature *Yoshitaka Hirata* Date January 11, 2005

Residence Shimodate-shi, Ibaraki, Japan Citizenship Japanese
(City, State) (Country)

Post Office Address c/o HITACHI CHEMICAL CO., LTD., Research and Development Center,
1500, Oaza Ogawa, Shimodate-shi, Ibaraki 308-8521 Japan

Full Name of Third/Joint Inventor Hiroyuki KURIYA

Inventor's Signature Hiroyuki Kuriya Date January 11, 2005

Residence Shimodate-shi, Ibaraki, Japan Citizenship Japanese
(City, State) (Country)

Post Office Address c/o HITACHI CHEMICAL CO., LTD., 1-1, Nishishinjuku 2-chome, Shinjuku-ku
Tokyo 163-0449 Japan

Full Name of Fourth/Joint Inventor Kazuhisa OTSUKA

Inventor's Signature Kazuhisa Otsuka Date January 11, 2005

Residence Shimodate-shi, Ibaraki, Japan Citizenship Japanese
(City, State) (Country)

Post Office Address c/o HITACHI CHEMICAL CO., LTD., Research and Development Center,
1500, Oaza Ogawa, Shimodate-shi, Ibaraki 308-8521 Japan

Full Name of Fifth/Joint Inventor Masanori YAMAGUCHI

Inventor's Signature Masanori Yamaguchi Date January 11, 2005

Residence Tsukuba-shi, Ibaraki, Japan Citizenship Japanese
(City, State) (Country)

Post Office Address c/o HITACHI CHEMICAL CO., LTD., Research and Development Center,
1500, Oaza Ogawa, Shimodate-shi, Ibaraki 308-8521 Japan

Full Name of Sixth/Joint Inventor Yuichi SHIMAYAMA

Inventor's Signature Yuichi Shimayama Date January 11, 2005

Residence Shimodate-shi, Ibaraki, Japan Citizenship Japanese
(City, State) (Country)

Post Office Address c/o HITACHI CHEMICAL CO., LTD., Research and Development Center,
1500, Oaza Ogawa, Shimodate-shi, Ibaraki 308-8521 Japan

Full Name of Seventh/Joint Inventor Ken MADARAME

Inventor's Signature Ken Madarame Date January 11, 2005

Residence Yuki-shi, Ibaraki, Japan Citizenship Japanese
(City, State) (Country)

Post Office Address c/o HITACHI CHEMICAL CO., LTD., Research and Development Center,
1500, Oaza Ogawa, Shimodate-shi, Ibaraki 308-8521 Japan

Full Name of Eighth/Joint Inventor Etsuo MIZUSHIMA

Inventor's Signature Etsuo Mizushima Date January 11, 2005

Residence Yuki-shi, Ibaraki, Japan Citizenship Japanese
(City, State) (Country)

Post Office Address c/o HITACHI CHEMICAL CO., LTD., Shimodate Works,
1500, Oaza Ogawa, Shimodate-shi, Ibaraki 308-8521 Japan

Full Name of Ninth/Joint Inventor Yuusuke KONDOU

Inventor's Signature Yuusuke Kondou Date January 11, 2005

Residence Shimodate-shi, Ibaraki, Japan Citizenship Japanese
(City, State) (Country)

Post Office Address c/o HITACHI CHEMICAL CO., LTD., Research and Development Center,
1500, Oaza Ogawa, Shimodate-shi, Ibaraki 308-8521 Japan

Full Name of Tenth/Joint Inventor Kazunori YAMAMOTO

Inventor's Signature Kazunori Yamamoto Date January 11, 2005

Residence Tsukuba-shi, Ibaraki, Japan Citizenship Japanese
(City, State) (Country)

Post Office Address c/o HITACHI CHEMICAL CO., LTD., Research and Development Center,
1500, Oaza Ogawa, Shimodate-shi, Ibaraki 308-8521 Japan

Full Name of Eleventh/Joint Inventor _____

Inventor's Signature _____ Date _____

Residence _____ Citizenship _____
(City, State) (Country)

Post Office Address _____

Full Name of Twelfth/Joint Inventor _____

Inventor's Signature _____ Date _____

Residence _____ Citizenship _____
(City, State) (Country)

Post Office Address _____

Full Name of Thirteenth/Joint Inventor _____

Inventor's Signature _____ Date _____

Residence _____ Citizenship _____
(City, State) (Country)

Post Office Address _____
